Listing of the Claims:

Claim 1 (currently amended): An electrochemical gas sensor comprising:

a working electrode comprising a gas porous membrane and a catalyst layer formed on one side of the membrane;

a counter electrode ~~comprising~~ that includes a catalyst;

electrolyte in contact with the catalyst both of the working electrode and of the counter electrode; and

a support which is one of rigid or semi-rigid ~~support that~~, the support is in contact with, and presses ~~down on, the~~ against a side of the working electrode remote from the electrolyte ~~and that~~ to compresses the electrodes and the electrolyte together, ~~such~~ the support having a thickness of not greater than 0.5mm and wherein the support ~~includes~~ defines a plurality of open areas allowing gas to contact the membrane, the surface area of that portion of the support between the open areas being less than 40% of the combined surface area of the open areas and that portion of the ~~supports~~ support between them.

Claim 2 (currently amended): A sensor as claimed in claim 1, wherein that portion of the support, between the open areas, is in the form of ~~solid regions, e.g. narrow bars~~ elongated members, having a width ~~of not greater~~ less than 0.5mm~~, more preferably less than 0.3mm, e.g. less than 0.2mm~~.

Claim 3 (new): A sensor as in claim 2 where the elongated members have a width less than one of .3mm or .2mm.

Claim [[3]] 4 (currently amended): An electrochemical gas sensor comprising:

a working electrode comprising a gas porous membrane and a catalyst layer formed on one side of the membrane;

A counter electrode that includes ~~comprising~~ a catalyst;

electrolyte in contact with the catalyst both of the working electrode and of the counter electrode; and

a ~~rigid or semi-rigid~~ support that is in contact with, and presses ~~down on, the~~ against a side of the working electrode ~~remote~~ displaced from the electrolyte ~~and that~~ to compresses the electrodes and the electrolyte together[[,]], such support comprising a plurality of open areas that [[allow]] enable gas to contact the membrane, [[and]]the support including solid regions ~~located~~ that extend between the open areas for contacting and supporting the membrane, such solid regions having a width ~~of not greater than 0.5mm, more preferably~~ on the order of one of less than 0.3mm, [[e.g.]] or less than 0.2mm, and wherein the aggregate surface area of the solid regions is less than 40% of the combined surface area of the support, including the open areas.

Claim 4 (cancelled).

Claim 5 (currently amended): [[An]] A ~~electrochemical gas~~ sensor as ~~claimed~~ in ~~any preceding~~ claim 4 wherein the support has a thickness of not greater than ~~0.5mm, preferably less than 0.4mm; more preferably less than 0.3mm, e.g. less than 0.2mm~~ .5 mm.

Claim 6 (new): A sensor as in claim 5 where the thickness is less than one of .4 mm, .3 mm or .2 mm.

Claim [[6]] 7 (currently amended): [[An]] A ~~electrochemical gas~~ sensor as ~~claimed~~ in ~~any preceding~~ claim[[,]] 4 wherein the regions of the support between the open areas are in the form of [[bars]] elongated linear members.

Claim [[7]] 8 (currently amended): A sensor as ~~claimed~~ in ~~any preceding~~ claim[[,]] 4 wherein the surface area of the support between the open areas is less than one of 30%, ~~e.g. less than~~ 20% [[and]] or ~~most preferably less than~~ 10% of the surface area of the support.

Claim [[8]] 9 (currently amended): A sensor as ~~claimed~~ in ~~any preceding~~ claim[[,]] 4 which includes a reference electrode.

Claim [[9]] 10 (currently amended): A sensor as ~~claimed~~ in ~~any preceding~~ claim [[,]] 4 wherein the support is metallic.

Claim [[10]] 11 (currently amended): A sensor as ~~claimed~~ in ~~any preceding~~ claim[[,]] 4 wherein the open areas of the support are formed into one of ~~a pattern, most preferably~~ a rectangular or a hexagonal pattern.

Claim [[11]] 12 (currently amended): A sensor as ~~claimed~~ in ~~any preceding~~ claim[[,]] 4 which includes a housing, and wherein the support includes a rim ~~that comprises material~~ that is fused or welded to the housing.

Claim 13 (new): An electrochemical gas sensor comprising:

a housing that defines an internal region;

first and second electrodes carried by the housing in the region;

an electrolyte between the electrodes;

a retaining mesh that is attached to the housing, covering a predetermined area of one of the electrodes and which presses the one electrode and the electrolyte toward the other electrode, an open portion of the mesh exceeds 60% of the area covered by the mesh.

Claim 14 (new): A sensor as in claim 13 wherein the mesh is formed of elongated linear members having a width less than .5mm.

Claim 15 (new): A sensor as in claim 13 wherein the mesh has a thickness less than .5 mm.

Claim 16 (new): A sensor as in claim 13 where the open portion of the mesh comprises a plurality of one of rectangular or hexagonal patterns.

Claim 17 (new): A sensor as in claim 13 where the open portion of the mesh exceeds 70% of the area.

Claim 18 (new): A sensor as in claim 17 where the electrodes are metallic and the mesh is flexible.

Claim 19 (new): A sensor as in claim 19 where the mesh has a thickness on the order of .1mm and where the open portion of the mesh exceeds 90% of the area.